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JPAB,EPAB,DWPI	(aeromonas with aminopeptidase) and @pd<19990430	7	<u>L3</u>
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File: JPAB

Nov 7, 1995

PUB-NO: JP407289256A
DOCUMENT-IDENTIFIER: JP 07289256 A
TITLE: AMINOPEPTIDASE AND ITS PRODUCTION

PUBN-DATE: November 7, 1995

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APPL-NO: JP06083358

APPL-DATE: April 21, 1994

INT-CL (IPC): C12N 9/48

ABSTRACT:

PURPOSE: To obtain an alanine amino peptidase having high substrate specificity, and to provide a method for its mass production at low cost.

CONSTITUTION: The objective enzyme is an alanine aminopeptidase found from a new strain belonging to Aeromonas and having the following characteristics: (1) having aminopeptidase activity; (2) optimal pH of ca.6.5; (3) stable pH range of 7.0-10.0 when treated at 4°C for 5hr; (4) optimal temperature of ca.45°C; (5) stable up to 40°C when held at pH 7 for 10min; (6) having high specificity to L-alanine residue; and (7) molecular weight of ca.86kd determined by SDS- polyacrylamide gel electrophoresis, (existing in the form of hexamer). The alanine aminopeptidase is obtained in large quantities at low cost by culturing this strain.

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